

STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 1/8/97
Site Identifier: S-0335	WRIA: 20.0335
River Mile Location: 39.0	RB/LB: LB
Local Name: Eagle Creek	Trib. to: Sol Duc (20.0096)
Legal Description: SW¼ Sec 36 T30N R12W	County: Clallam
Habitat Type: Terrace tributary	

Landowner: (X) Federal (X) State () County () Other Government (X) Private
- National Forest
- Washington State Dept of Natural Resources
- Hancock Timber
- Possibly other private parties

Directions to site:

Starting at Forks (Tillicum Park) drive north on Highway 101 for 11.4 miles to Mary Clarke Rd. Take a right on this road and follow for ~5.5 miles (Mary Clarke Rd/Sol Duc Valley Rd (FS 2036) = a continuous stretch). The stream parallels the road on left hand side. The new culvert that crosses the road in this section is the main channel.

Site Overview:

This system offers a mix of conditions, and provides both spawning and rearing opportunities. The mid and lower part of the system experiences moderate flows, and has some beaver activity which has resulted in pooled areas for juvenile rearing. The lower reach also has some optimum spawning areas. The upper reach has moderate gradient and experiences some flushing flows, and is limited in both spawning and rearing habitat.

Habitat Information:

Water source: Surface runoff and high gradient tributaries

Intermittent/year-around:

- Probably year-around

Estimated flows (cfs): 3+ (rain and snow melt)

Water temperatures: 6.0° C

Adjacent stream temperature: 6.0° C (20.0096)

Other water observations: Water is clear

Site area measurements: () Indirect () Direct (X) Combination

Widths: Channel- 1.2 m - 2.5 m Ponds- 6 m Wetlands- NA

Depths: Channel- 5 cm - 20 cm Ponds- 30 cm - 1 m Wetlands- NA

Total length (includes ponds and wetlands): 1335+ m (trout habitat above end point)

Total existing habitat area (est.): 1900+ m²

Spawning area: 1170 m²

Impounded area: 210 m²

Other rearing area: 520 m²

Spawning Habitat conditions: ☐ None ☐ Poor ☒ Fair ☐ Good ☐ Excellent

Describe spawning habitat:

- There are some stretches that contain quality gravel for coho spawning.
- Many stretches have more rock than gravel.
- The Quileute Tribe assumes some limited coho spawning takes place in this system.

Rearing habitat conditions: ☐ None ☐ Poor ☐ Fair ☒ Good ☐ Excellent

Describe pond and other rearing habitat:

- Beaver dams have resulted in one shallow and one mod-deep pools in the lower reach.
- These pooled areas appear to offer good overwintering habitat.
- The system has LOD, lots of brush, an alder canopy in the lower and mid reaches, and conifer in the upper reach.
- The upper end of system appears to experience flushing flows.

Describe inaccessible habitat:

- None

Describe wetland: ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☐ Forested Wetland

- None

Flooding potential: ☒ Low ☐ Medium ☐ High

- None

Fish Information:

Site entry condition to (Sol Duc River 20.0096): ☐ Poor ☐ Fair ☒ Good

- The channel has a wide (3.5 m) egress into a bend in the river that has an eddy.

Coho access and use:

Juvenile- ☐ Unknown ☐ None ☐ Poor ☐ Fair ☒ Good

Adult- ☒ Unknown ☐ None ☐ Poor ☐ Fair ☐ Good

- Coho juveniles were trapped in the ponded areas and were all sizes.
- The Quileute Tribe assumes some limited coho spawning takes place in this system.
- At 65 m above egress, there is a constriction and cascade formed by LWD and boulders. It may pose as a passage problem during certain flows.

Other species access and use: ☐ Chum ☐ Pink ☐ Sockeye ☐ Chinook ☒ Trout

- Juvenile steelhead, and cutthroat were trapped in the pooled area.

Habitat Improvements:

Enhancement opportunities:

- Monitor and possibly modify constriction/cascade above egress.
- Controls to improve ponding in the beaver dam area.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

☒ Aerials

☒ Sketch

☒ Maps

☐ Culvert Report

☐ Other references

☐ Spawning surveys

☒ Juvenile trapping

☐ Fishway Report

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-0335

Site Name: Eagle Creek

WRIA: 20.0335

DATE: 1-10-97

OBSERVER: Powell

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	CATCH		RBT	CUTT	COTTID
					COHO UMRK	MRK			
1	1/9	6.0°C	1/10	6.0°C	2	0	2	1	0
2	1/9	6.0°C	1/10	6.0°C	16	0	0	3	0
TOTALS:					18	0	2	4	0

COMMENTS:

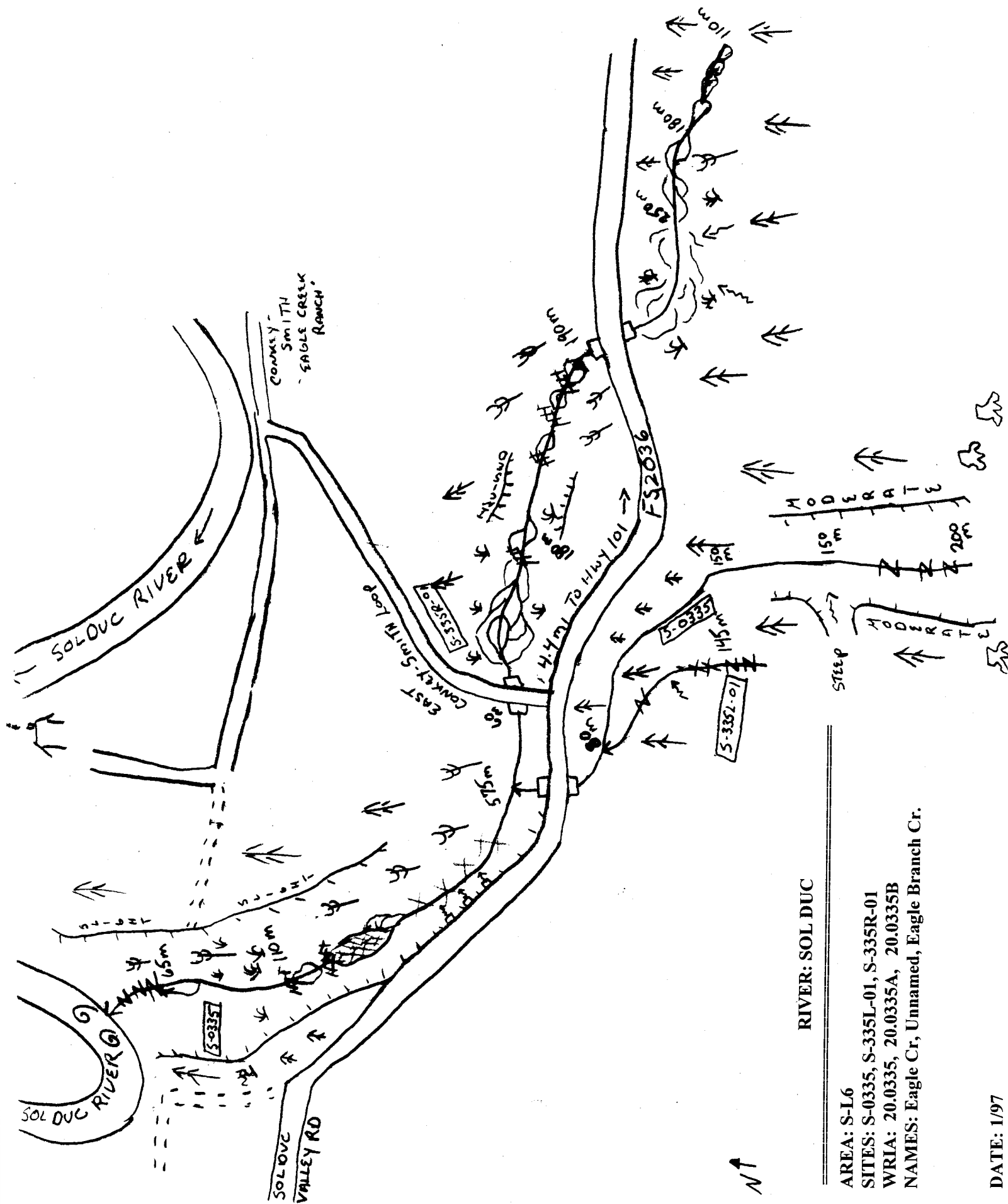
-Trap 1 was placed on the left bank, directly above second beaver dam.

-Trap 2 was placed on the left bank about 10 - 15 m upstream from trap #1.

DATE: 9-3-97

OBSERVER: Powell

There was just a trickle of water flowing from S-0335 upstream of the confluence with S-335R-01 (which was flowing ~50- 75 gpm). The lower reach beaver ponds were dry and the stream flow was on the right bank of the pond areas.



RIVER: SOL DUC

AREA: S-L6
 SITES: S-0335, S-335L-01, S-335R-01
 WRIA: 20.0335, 20.0335A, 20.0335B
 NAMES: Eagle Cr, Unnamed, Eagle Branch Cr.

RIVER: SOL DUC

AREA: S-L6

AREA MAP

DATE: Spring/97

